

#3

OIPE

RAW SEQUENCE LISTING

DATE: 07/15/2001

PATENT APPLICATION: US/09/809,545A

TIME: 19:41:09

Input Set : A:\SCIOS.017Anew.txt

Output Set: N:\CRF3\07152001\I809545A.raw

PS

4 <110> APPLICANT: Stanton, Lawrence W.
 5 White, R. Tyler
 7 <120> TITLE OF INVENTION: SECRETED FACTORS
 10 <130> FILE REFERENCE: SCIOS.017A
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/809,545A
 C--> 13 <141> CURRENT FILING DATE: 2001-03-14

ENTERED

15 <160> NUMBER OF SEQ ID NOS: 84
 17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 1340
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Rattus norvegicus
 24 <400> SEQUENCE: 1
 25 gcggccgccc ctgacacaat ggctcagctt atgcctcagc gcagttcgct ccaccccaga 60
 26 atggcatcct gcagaatata cggccctcca tccccatccc gcgccagaga caccggccag 120
 27 cccactgtcc cggccacaca ttaaaattga tctctctaca cagacgcact cggagcagag 180
 28 cgcttatata agcgcacagc cgtctccggc accgccacac agacagatga tgccgccccg 240
 29 accgacggcc agccccagac acaaccttct gaaaacacag aaaacaagtc ccagcccaag 300
 30 cggctgcatg tgtccaacat ccccttccgg ttccgggatc cagacctccg acaaatgttt 360
 31 ggccaatttg gtaaaatatt agatgttgaa attattttta atgagcgggg ctccaaggga 420
 32 tttggtttcg taactttcga aaatagtgcg gatgcggaca gggcgaggga gaaattgcac 480
 33 ggtaccgtgg tagaggggccg taaaatcgag gttaataatg cgacagcacg cgtgatgact 540
 34 aataaaaagg ccgtgaaccc ctacaccaat ggctggaaat taaatccagt tgtgggcgcg 600
 35 gtctacagcc ccgacttcta tgcaggcacg gtgctgttgt gccaggccaa ccaggaggga 660
 36 tcttccatgt acagtggccc cagttcactt gtatatactt ctgcaatgcc tggctttcca 720
 37 tatccggccg ccaactgtcg agctgcatac cgaggggctc accttcgagg ccgtggctcg 780
 38 accgtgtata acaccttcag agctgcggcg cccccacccc caatcccggc ctatggcgga 840
 39 gtagtgtatc aagagccagt gtatggcaat aaattgctac aggggtggtta cgctgcatac 900
 40 cgctacgccc agcccacccc tgccactgct gctgcctaca gtgacagtta cggacgagtt 960
 41 tatgtgtccg acccctacca ccacacactt gctccagccc ccacctacgg cgttggtgcc 1020
 42 atgaatgctt ttgcgccctt gaccgatgcc aagactagga gccatgctga tgatgtgggt 1080
 43 ctcgttcttt cttcattgca ggctagtata taccaagggg gatacaaccg ttttgcacca 1140
 44 tattaaatga taaaaccatt aaacaaacaa gcaaaaaaca aaacaaaaac aaaaaaacca 1200
 45 accttccaat gtggggagag aggaagcttt ccgaggcccg agtgttgcca cacatgcagt 1260
 46 aggacatcac tttagcaact caaagaaaca acgaaaaaaa aaaaaaaaaa aaaaataagc 1320
 47 ggccgaaggg gttcgctaga 1340

49 <210> SEQ ID NO: 2
 50 <211> LENGTH: 203
 51 <212> TYPE: PRT
 52 <213> ORGANISM: Rattus norvegicus
 54 <400> SEQUENCE: 2
 55 Met Thr Asn Lys Lys Ala Val Asn Pro Tyr Thr Asn Gly Trp Lys Leu
 56 1 5 10 15
 57 Asn Pro Val Val Gly Ala Val Tyr Ser Pro Asp Phe Tyr Ala Gly Thr
 58 20 25 30
 59 Val Leu Leu Cys Gln Ala Asn Gln Glu Gly Ser Ser Met Tyr Ser Gly
 60 35 40 45

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61 Pro Ser Ser Leu Val Tyr Thr Ser Ala Met Pro Gly Phe Pro Tyr Pro
62      50                      55                      60
63 Ala Ala Thr Ala Ala Ala Tyr Arg Gly Ala His Leu Arg Gly Arg
64 65                      70                      75                      80
65 Gly Arg Thr Val Tyr Asn Thr Phe Arg Ala Ala Ala Pro Pro Pro Pro
66                      85                      90                      95
67 Ile Pro Ala Tyr Gly Gly Val Val Tyr Gln Glu Pro Val Tyr Gly Asn
68                      100                     105                     110
69 Lys Leu Leu Gln Gly Gly Tyr Ala Ala Tyr Arg Tyr Ala Gln Pro Thr
70                      115                     120                     125
71 Pro Ala Thr Ala Ala Ala Tyr Ser Asp Ser Tyr Gly Arg Val Tyr Ala
72                      130                     135                     140
73 Ala Asp Pro Tyr His His Thr Leu Ala Pro Ala Pro Thr Tyr Gly Val
74 145                      150                      155                      160
75 Gly Ala Met Asn Ala Phe Ala Pro Leu Thr Asp Ala Lys Thr Arg Ser
76                      165                      170                      175
77 His Ala Asp Asp Val Gly Leu Val Leu Ser Ser Leu Gln Ala Ser Ile
78                      180                      185                      190
79 Tyr Gln Gly Gly Tyr Asn Arg Phe Ala Pro Tyr
80                      195                      200

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83 <210> SEQ ID NO: 3

84 <211> LENGTH: 867

85 <212> TYPE: DNA

86 <213> ORGANISM: Rattus norvegicus

88 <220> FEATURE:

89 <221> NAME/KEY: unsure

90 <222> LOCATION: (0)...(0)

91 <223> OTHER INFORMATION: n = A, T, C, or G

93 <400> SEQUENCE: 3

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94 tctagcgaac cccttcgcga aggggttcgc ctgtgctggt gggcgcggtg gcccgagcc 60
95 ttggaactcac tgcaggactg tgcagggaac cactgtccaa gcatcgggct aatagggggc 120
96 gcctgcctcg gtttaccctt cagcgtcttg tgaaatccc cagcgtctag ggaaagatcc 180
97 gttctgctcc gcgagggaaa cagagccgtt gaccatggtt gcaacgggca gtttgagcag 240
98 taagaacacg gccagcattt cagagttgct ggacgggtggc tctcaccctg ggagtctgct 300
99 aagtgatttc gactactggg attatgtcgt cctgagccc aacctcaacg aggtggtgtt 360
100 tgaagagaca acatgccaga atttggttaa aatggttgag aactgtctgt ccaagtcaaa 420
101 gcaaaccaaa ctcggttgct ctaaggctct ggttcctgag aaactgaccc agagaattgc 480
102 ccaagatgtc ctgcggtctt catccacaga gccctgcggc cttcggggct gtgttatgca 540
103 cgtgaacttg gaaattgaaa atgtgtgtaa aaagctggat aggattgtgt gtgatgctag 600
104 tgtggtgccc acctttgagc tcacgctggt gttcaagcag gagagctgct cctggaccag 660
105 cctcaaggac ttcttcttta gcggaggtcg cttctcgtcg ggccttaagc gaactctgat 720
106 cctcagctcg ggatttcgac ttgttaagaa aaaactgtac tctctgattg gaacgacagt 780
107 cattgaggag tgctgaggag gaataaaca ttaaaggtcc ctaatgagtg gctaacaaaa 840

```

W--> 108 anaaaannnn nnnnnnnnn ngcggnnc 867

110 <210> SEQ ID NO: 4

111 <211> LENGTH: 193

112 <212> TYPE: PRT

113 <213> ORGANISM: Rattus norvegicus

115 <400> SEQUENCE: 4

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```

116 Met Val Ala Thr Gly Ser Leu Ser Ser Lys Asn Thr Ala Ser Ile Ser
117 1 5 10 15
118 Glu Leu Leu Asp Gly Gly Ser His Pro Gly Ser Leu Leu Ser Asp Phe
119 20 25 30
120 Asp Tyr Trp Asp Tyr Val Val Pro Glu Pro Asn Leu Asn Glu Val Val
121 35 40 45
122 Phe Glu Glu Thr Thr Cys Gln Asn Leu Val Lys Met Leu Glu Asn Cys
123 50 55 60
124 Leu Ser Lys Ser Lys Gln Thr Lys Leu Gly Cys Ser Lys Val Leu Val
125 65 70 75 80
126 Pro Glu Lys Leu Thr Gln Arg Ile Ala Gln Asp Val Leu Arg Leu Ser
127 85 90 95
128 Ser Thr Glu Pro Cys Gly Leu Arg Gly Cys Val Met His Val Asn Leu
129 100 105 110
130 Glu Ile Glu Asn Val Cys Lys Lys Leu Asp Arg Ile Val Cys Asp Ala
131 115 120 125
132 Ser Val Val Pro Thr Phe Glu Leu Thr Leu Val Phe Lys Gln Glu Ser
133 130 135 140
134 Cys Ser Trp Thr Ser Leu Lys Asp Phe Phe Phe Ser Gly Gly Arg Phe
135 145 150 155 160
136 Ser Ser Gly Leu Lys Arg Thr Leu Ile Leu Ser Ser Gly Phe Arg Leu
137 165 170 175
138 Val Lys Lys Lys Leu Tyr Ser Leu Ile Gly Thr Thr Val Ile Glu Glu
139 180 185 190
140 Cys
144 <210> SEQ ID NO: 5
145 <211> LENGTH: 874
146 <212> TYPE: DNA
147 <213> ORGANISM: Rattus norvegicus
149 <400> SEQUENCE: 5
150 tctagcgaac cccttcggtg gacagaacag cctgagtcag gatgaaagct ctcagggctg 60
151 tctctctgat cttgctactc agtggacagc cagggagcag ctgggcacaa gaagctggcg 120
152 atgtggacct ggagctagag cgctacagct acgatgatga cggatgatgac gatgatgacg 180
153 atgatgaaga agaggaagag gaggagacca acatgatccc tggcagcagg gacagagcac 240
154 cgectctaca gtgctacttc tgccaagtgc ttcacagcgg ggagagctgc aacgagacac 300
155 agagatgctc cagcagcaag cccttctgta tcacagtcac ctcccatggc aaaactgaca 360
156 caggtgtcct gacgacctac tccatgtggt gtactgatac ctgccagccc atcgtgaaga 420
157 cagtggacag caccctaatg acccagacct gttgccagtc cacactctgc aatattccac 480
158 cctggcagag cccctaaatc cacaaccctc tgggtggcgg ggcagacagc cccttgaagg 540
159 gtgggaccag acatcctcaa ggtgacaggt ttagccaccc ccaggttgctc aaggttactc 600
160 atcctcagag tgatggggct cacttgctca aggggtggcaa ggctaaccag cccaggggaa 660
161 atggggccgg attccttgca ggctggagca aatttggtta cgtagtcttc ctgctcacct 720
162 tctcaccag tctgtgggca tcaggggcct aaagactcgt cctcccccaa ccaggaccct 780
163 tcagcctttc ctccctgaca accagcttca gagaataaac ttgaatgtct tttgccatct 840
164 aaaaaaaaaa aaaaaaaaaa aaaaagcggc cgcc 874
166 <210> SEQ ID NO: 6
167 <211> LENGTH: 236
168 <212> TYPE: PRT
169 <213> ORGANISM: Rattus norvegicus

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Input Set : A:\SCIOS.017Anew.txt

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171 <400> SEQUENCE: 6

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172 Met Lys Ala Leu Arg Ala Val Leu Leu Ile Leu Leu Leu Ser Gly Gln
173 1 5 10 15
174 Pro Gly Ser Ser Trp Ala Gln Glu Ala Gly Asp Val Asp Leu Glu Leu
175 20 25 30
176 Glu Arg Tyr Ser Tyr Asp Asp Asp Gly Asp Asp Asp Asp Asp Asp
177 35 40 45
178 Glu Glu Glu Glu Glu Glu Glu Thr Asn Met Ile Pro Gly Ser Arg Asp
179 50 55 60
180 Arg Ala Pro Pro Leu Gln Cys Tyr Phe Cys Gln Val Leu His Ser Gly
181 65 70 75 80
182 Glu Ser Cys Asn Glu Thr Gln Arg Cys Ser Ser Ser Lys Pro Phe Cys
183 85 90 95
184 Ile Thr Val Ile Ser His Gly Lys Thr Asp Thr Gly Val Leu Thr Thr
185 100 105 110
186 Tyr Ser Met Trp Cys Thr Asp Thr Cys Gln Pro Ile Val Lys Thr Val
187 115 120 125
188 Asp Ser Thr Gln Met Thr Gln Thr Cys Cys Gln Ser Thr Leu Cys Asn
189 130 135 140
190 Ile Pro Pro Trp Gln Ser Pro Gln Ile His Asn Pro Leu Gly Gly Arg
191 145 150 155 160
192 Ala Asp Ser Pro Leu Lys Gly Gly Thr Arg His Pro Gln Gly Asp Arg
193 165 170 175
194 Phe Ser His Pro Gln Val Val Lys Val Thr His Pro Gln Ser Asp Gly
195 180 185 190
196 Ala His Leu Ser Lys Gly Gly Lys Ala Asn Gln Pro Gln Gly Asn Gly
197 195 200 205
198 Ala Gly Phe Pro Ala Gly Trp Ser Lys Phe Gly Asn Val Val Leu Leu
199 210 215 220
200 Leu Thr Phe Leu Thr Ser Leu Trp Ala Ser Gly Ala
201 225 230 235

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204 <210> SEQ ID NO: 7

205 <211> LENGTH: 817

206 <212> TYPE: DNA

207 <213> ORGANISM: Rattus norvegicus

209 <220> FEATURE:

210 <221> NAME/KEY: unsure

211 <222> LOCATION: (0)...(0)

212 <223> OTHER INFORMATION: n = A, T, C, or G

214 <400> SEQUENCE: 7

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215 tctagcgaac cccttcgagc gaacccttc ggccagtacc ctgagccctg gtcctcctg 60
216 gagctgcccc acagctctga ctgtggactg agggatgtta ggcggatcac ctgagcctcc 120
217 agaggctcac actaatgagc gggcgctctc ttcttagcca ctgttgcat tggttttcat 180
218 tgactcctgg gcctcgtttg agtgacactg tccttgtctt ttgtttcaga gctctcccag 240
219 tgttagtggg ctcagatgag gaaattatga ccagatctga aatagctgaa aaaatgttct 300
220 cttcagaaaa gataatgtga tcagggcccc agtgggtcca gtgtgcatgg gagcgcggtc 360
221 aggtgatggg aaaggcctgg ctctcgtaaa aactgacagc tgcgctatga tacatgtctc 420
222 actttgttgt cttggagatc tgtgtatgca ggtgaagaac tcaagtgtgg gagggctctg 480
223 cgcctcagaa agccatcttt gaaacggact cataaagtca gttttgttgc cattaagttg 540

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TIME: 19:41:10

Input Set : A:\SCIOS.017Anew.txt

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```

224 cctgatttttg gaaacaattt aagaagtgtt aaagacatgt gttcagatgc ctcttaggcg 600
225 gcagccacag gcatgccagg ttgtgtccct cagttttctc cagacaaaag aatctgcagc 660
226 tgggcgtggc ggcacactac tggcagttga aagtctgtaa tttcaaggcc aagcctggtc 720
227 tacatagttc caggacaacc agagagatct acatagttag accctgcctc aaaacacaga 780
W--> 228 aaccnnanna naaaaaaaaa aaaaaaaaaa cgggccgc 817
230 <210> SEQ ID NO: 8
231 <211> LENGTH: 61
232 <212> TYPE: PRT
233 <213> ORGANISM: Rattus norvegicus
235 <400> SEQUENCE: 8
236 Met Ser Gly Arg Ser Leu Leu Ser His Cys Cys Ile Trp Phe Ser Leu
237 1 5 10 15
238 Thr Pro Gly Pro Arg Leu Ser Asp Thr Val Leu Val Phe Cys Phe Arg
239 20 25 30
240 Ala Leu Pro Val Leu Val Asp Ser Asp Glu Glu Ile Met Thr Arg Ser
241 35 40 45
242 Glu Ile Ala Glu Lys Met Phe Ser Ser Glu Lys Ile Met
243 50 55 60
246 <210> SEQ ID NO: 9
247 <211> LENGTH: 755
248 <212> TYPE: DNA
249 <213> ORGANISM: Rattus norvegicus
251 <220> FEATURE:
252 <221> NAME/KEY: unsure
253 <222> LOCATION: (0)...(0)
254 <223> OTHER INFORMATION: n = A, T, C, or G
256 <400> SEQUENCE: 9
257 tctagcgaac cccttcgcac atgggttcct gctgaccaag gggacatggc tctgaagatg 60
258 atgaggctgg ttactcagca ggagtagctg agctgagctg gccctggagg ccctggaggc 120
259 cctggagtag ggcccaggat gcagggtgcta atgtctatcc ccggcgctct tcttcccgcac 180
260 tctaccatgg gatgtaactc caggagcccc tgccatctcc cgtacccaaa gactgtggct 240
261 tccgtgtcta ctcagaaatc agttctactt cgtaaacagt gtttaaaacc agactcattt 300
262 aatcacagtg aaggattgca gtccattggc ttcttagcac agaagcagct gataacacaa 360
263 gtaaacccca gcccttgaga ggtagaagca agaggatcag aggttcaagc gcatcctcgg 420
264 ctccatcaca agttcaaaag ccgcctgcac caaatgggag tccttgtctc aaaaaaaaaa 480
265 aaaaaaaaaa caaagaaagc aaaggactcg atgacatgat ttatagacaa aagcagtggg 540
266 agaaaatact aaagccccac tgagctgcca gccagggtgc tgtgactaca ggtcttttat 600
267 ctgctcatat atatttttac aaaaaatgaa attcatattg gtcgctattt tgctggctgc 660
268 tttgtcccg atcaacatga ttgacggt ttttccatca ataaatgtgc catgatattt 720
W--> 269 ttaaaaaaaaaa aaaaaaaaaa aaaaaaaagg gcnc 755
271 <210> SEQ ID NO: 10
272 <211> LENGTH: 79
273 <212> TYPE: PRT
274 <213> ORGANISM: Rattus norvegicus
276 <400> SEQUENCE: 10
277 Met Gln Val Leu Met Ser Ile Pro Gly Ala Leu Leu Pro Asp Ser Thr
278 1 5 10 15
279 Met Gly Cys Asn Ser Arg Ser Pro Cys His Leu Pro Tyr Gln Lys Thr
280 20 25 30

```

Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

VERIFICATION SUMMARY

DATE: 07/15/2001

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Input Set : A:\SCIOS.017Anew.txt

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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:487 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:488 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:552 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:647 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:648 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:796 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:853 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:855 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:998 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1044 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:1090 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:1091 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:1219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44
L:1251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:1255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:1258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:1329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47

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L:1333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1334 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47